RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/542, 284Source: PCTDate Processed by STIC: 07/25/2005

ENTERED



PCT

RAW SEQUENCE LISTING DATE: 07/25/2005
PATENT APPLICATION: US/10/542,284 TIME: 12:01:42

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3 <110> APPLICANT: Wyeth Holdings Corporation
      5 <120> TITLE OF INVENTION: METHODS FOR INCREASING NEISSERIA PROTEIN EXPRESSION AND
             COMPOSITIONS THEREOF
      8 <130> FILE REFERENCE: AM100238
                                                                   (pg-6)
C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/542,284
C--> 10 <141> CURRENT FILING DATE: 2005-07-15
     10 <160> NUMBER OF SEQ ID NOS: 83
     12 <170> SOFTWARE: PatentIn version 3.2
     14 <210> SEQ ID NO: 1
     15 <211> LENGTH: 1110
     16 <212> TYPE: DNA
     17 <213> ORGANISM: Neisseria meningitidis (group B)
     19 <400> SEQUENCE: 1
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     24 aggacgaaaa tcagcgattt cggctcgttt atcggcttta aggggagtga ggatttgggc
     26 gaagggctga aggctgtttg gcagcttgag caagacgtat ccgttgccgg cggcgcgcg
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     54 atogtgtotg gcgcttggct gaaacgcaat accggcatcg gcaactacac tcaaattaat
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Output Set: N:\CRF4\07252005\J542284.raw

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175			435					440					445			
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179	Αια	450	110	nr 9	niu	пси	455	OLY	пси	Abii	nia	460	Abii	JCI	Olu	nig
	Lou		Sar	Sar	Glu	Δνα		T.011	Δla	Thr	Туг		Thr	Hic	Δνα	Dro
	465	1 y 1	DCI	DCI	Olu	470	nia	шси	niu	1111	475	m 9	1111	111.0	9	480
		λla	Lou	λla	His		Sar	Dro	Uic	Gl ₁₁		λla	T.011	Glaz	T.A11	
187	Arg	ALA	Беи	ALG	485	116	DCT	FIU	IITD	490	vai	Ата	пец	Gry	495	ASII
	777	Cor	7 an	T ON	Tyr	Cor	Clv.	T 011	7 cn		C02	Λan	Clv	Lou		λla
191	Ala	ser	ASII	500	TAT	ser	Gry	meu	505	Ата	ser	ASII	Gry	510	Maii	AIG
	7 ~~~	C1	Dro		Thr	Uic	7.20	T 011		17-1	71-	T 011	Dro		λla	T.011
	Arg	Gry	515	Arg	TIIL	птъ	Arg	520	Giu	vai	AIA	пеп	525	Arg	AIA	пеп
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199	Ala	530	Ата	пеи	vai	AIA	535	Gry	пец	ıyı	ьeu	540	Ser	FIU	лгу	GIY
	T 011		Cor	Clu	Arg	ת ד ת		Dro	17 n T	ת דת	T 011		Тугу	λνα	Thr	Trans
	545	ıyı	ser	Giu	Arg	550	per	PIO	vai	Ата	555	TIIL	ıyı	Arg	1111	560
		7.7.	T 011	717	C1.,		По так	T 011	C1,,	777		7 cn	Thr	Ттт	720	
	Arg	ALA	ьец	AIa	Gly 565	ьeu	ıyı	ьeu	GIU	570	ser	ASII	TIIL	TYL	575	пец
207	m	Cor	71-	Cox	Asn	C1.,	T 011	The rec	C1		TT	Dro	Hi a	Gl.		T 011
	ıyı	ser	Ата	580	ASII	GIY	цец	ıyı	585	цец	ıyı	PIO	птэ	590	Ala	цец
211	ח ד ת	C1 17	T 011		Ala	Cor	7 cn	Thr		7 ~~	712	Lou	λla		Uic	Glu
214	ALA	Gry	595	ıyı	AIA	Ser	ASII	600	тУT	Arg	Ата	пец	605	PIO	III	GIU
	T 011	Ш- r-х-		Th~	Tyr	720	ר וֹ ע		λla	T 011	ጥ፣፣	cor		Tla	Car	772
219	Бец	610	Ser	1111	ıyı	Arg	615	пеп	Ата	пец	ıyı	620	птъ	116	SET	AIG
	T.OU		בומ	Car	Asn	Wal		T.011	G1 v	T.011	Туг		Δνα	Gl v	Δla	Sar
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		Thr	His	Ara	Glv		Tvr	Glv	Leu	Tvr	Thr	Tvr	Arq	Glv	Leu	Gly
247					725		•	•		730		•	_	•	735	-
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251		•		740	-		•		745					750		
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362 aatgtgggcc gtgatgcttt tgagttgttc ttgctcggca gcgggagtga tgaagccaaa
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364 ggtaccgatc ccttgaaaaa ccatcaggta caccgcctga cgggcggcta tgaggaaggc
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366 ggcttgaatc tcgccttggc ggctcagttg gatttgtctg aaaatgccga caaaaccaaa
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			EQUE					•			•	_					
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395			35	_				40				_	45		1	_	
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415	λνα	λla		Dro	Dro	ніе	Glu		T. e 11	ጥህን	Ser	Glu		Pro	His	Glu	
419	Arg	130	261	rio	110	1113	135	OLY	пси	- 7 -	001	140	****9			014	
	Tle		Glu	Glv	Leu	Tvr		His	Glu	Leu	Tvr		Glv	Leu	Tyr	Ser	
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431	•			180	-				185					190			
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435			195					200					205				
438	Glu	Arg	Val	Ala	Leu	Ala	Leu	Ala	Gly	Leu	Tyr	Gly	Leu	Tyr	Gly	Leu	
439		210					215					220					
442	Tyr	Ala	Leu	Ala	Thr	His	Arg	Ala	Arg	Gly	Thr	Arg	Pro	Gly	Leu	Tyr	
	225					230					235					240	
446	Ala	Ser	Asn	Ala	Arg	Gly	Gly	Leu	Ser			Pro	His	Glu	Val	Ala	
447					245					250					255		
450	Leu	Gly	Leu	Tyr	Leu	Glu	Ala	Leu		Gly	Leu	Tyr	Gly		Pro	His	
451				260			_	_	265	_ =	_			270		~ 3	
	Glu	Gly	_	Tyr	Thr	His	Arg		Glu	Ala	Arg	Gly		Leu	Ala	GIĀ	
455	_0	_	275	_				280		_			285		~ 3	T	
	Leu	_	Ala	Arg	GLY	val		Leu	Ala	ьeu	Ala		ser	Asn	Gly	ьeu	
459		290	***	01.	7.7 -	C	295	7. T	C	Dese	አግ -	300	7 J -	0	C1	7.20	
462	Asn	Pro	H1S	GIU	ΑΙα	ser	Pro	ATG	ser	Pro	ATA	ьeu	ATG	ser	Glu	ALG	

Input Set : A:\AM100238 SEQ Listing.txt
Output Set: N:\CRF4\07252005\J542284.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

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Seq#:27; Xaa Pos. 3
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Seq#:32; Xaa Pos. 10
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Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete, per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:81,82,83

VERIFICATION SUMMARY DATE: 07/25/2005 PATENT APPLICATION: US/10/542,284 TIME: 12:01:43

Input Set : A:\AM100238 SEQ Listing.txt
Output Set: N:\CRF4\07252005\J542284.raw

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L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date
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L:2589 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29 after pos.:0
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L:2627 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31 after pos.:0
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M:341 Repeated in SeqNo=83